

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2004/001928

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 H04B 7/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04B 7/26

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 KOREAN PATENTS AND APPLICATIONS FOR INVENTIONS SINCE 1975
 KOREAN UTILITY MODELS AND APPLICATIONS FOR UTILITY MODELS SINCE 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 KIPONET, DELPHION & Keywords : reverse, capacity, user, number, rise, thermal, interference and similar terms

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/0186657 A1 (AVINASH JAIN ET AL.) 12 December 2002	1 - 9
Y	* paragraphs [0033] - [0043], figures 1-3 *	10 - 45
X	US 2003/0093364 A1 (SAMSUNG ELECTRONICS CO., LTD.) 15 May 2003	11 - 19
Y	* paragraphs [0052] - [0072], figures 3-6 *	1 - 9 , 20 - 45
Y	WO 00/33475 A2 (QUALCOMM INCORPORATED) 8 June 2000 * page 5 line 18 - page 8 line 21 *	1 - 45
X	US 2002/0141349 A1 (KI JUN KIM ET AL.) 3 October 2002	11 - 19
Y	* the whole document *	1 - 9 , 20 - 45

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:
 "A" document defining the general state of the art which is not considered to be of particular relevance
 "E" earlier application or patent but published on or after the international filing date
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
 "O" document referring to an oral disclosure, use, exhibition or other means
 "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
 "&" document member of the same patent family

Date of the actual completion of the international search 22 OCTOBER 2004 (22.10.2004)	Date of mailing of the international search report 25 OCTOBER 2004 (25.10.2004)
Name and mailing address of the ISA/KR Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea Facsimile No. 82-42-472-7140	Authorized officer SHIN, Jun Ho Telephone No. 82-42-481-8129



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/001928

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
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